The Mining Magazine

INDEX TO VOLUME C.—JANUARY TO JUNE, 1959.

[The attention of the reader is called to the Selected Index to Current Literature appearing on pages 63, 127, 191, 255, 319, and 383, where a system of subject classification facilitates reference.]

PAGE

Aberfoyle Tin ... 166
African and European Investment Co. ... 200, 328
African Land and Investment Co. ... 197
African Surveys Co. ... 169
Afrikander Lease ... 40
Airborne Radiometric Surveying (Hatton) ... 209
Aitkenhead, W. C., and Jaekel, J. A.—Low-Grade Oxidized Uranium—Digest ... 183
Alamasi, Ltd. ... 6, 135
Alaska, Lode Tin in (Lorain and others)—Digest ... 117
Albans, M. S.—Carro de Mercada, Mexico ... 334
Algom Uranium ... 163, 355
Alpine (Barberton) ... 133
Aluminio Iberico, S.A. ... 136
Aluminium, Future of ... 195
Aluminium, Ltd. ... 7, 34, 136, 195, 199, 287, 356
Aluminum Co. of America ... 71, 199
Amalgamated Banket Areas ... 263, 526
American Exploration and Mining Co. ... 31
American Institute of Mining, Metallurgical and Petroleum Engineers ... 350
American Smelting and Refining Co. ... 33
American-South African Investment Co. ... 72, 262
Anaconda's Berkeley Pit (Jarman) ... 275
Anglo American Corporation of South Africa 197, 198, 294, 326, 363
Anglo American Prospecting Co. (Africa), Ltd. ... 169
Anglo-French Exploration Co. ... 136
Anglo-Transvaal Consolidated ... 5
Anglo-Turkish Development Co. ... 354
Angola, Survey in ... 143
Apex (Trinidad) Oilfields ... 7
Ariston Gold Mines (1929) ... 135, 199, 263, 326
Armstrong, W. N. B.—Corrosion Protection—Digest ... 55
Asbestos.—In China (Sun Yi-Ming)—Digest, 122; Mining Achievement, An (Sinclair) ... 79
Ashanti Goldfields Corporation ... 70, 134, 198
Asnazu Gold Dredging ... 32
Associated Manganese Mines ... 364
Australasian Petroleum Pty. ... 36, 102
Australia.—Bauxite in, 36, 100, 164; Brown Coal in, 231, 358; Bureau of Mineral Resources, 130; Coal in, 35, 102, 165; Gold in, 101, 165, 289, 290, 356; Iron Ore in Tasmania, 35; Manganese in, 289; Metals Position in, 2, 359; Nickel in, 102; Oil in, 36, 102, 165, 288, 358; Ore Discoveries at Mount Isa (Carter)—Digest, 312; Pyrite in, 290; Steel in, 230, 289; Sulphate of Ammonia in, 37; Tennant Creek, Report on, 66; Tin in, 166, 289; Uranium in ... 101, 230
Australian Aluminium Commission ... 165
Australian-American Oil Pty. ... 36
Australian Bureau of Mineral Resources ... 130
Australian Development Co. ... 164, 229, 289
Australian Iron and Steel Co. ... 230, 289
Australian Mineral Industry, Quarterly Review of the ... 2
Australian Paper Manufacturers Co. ... 288
Avillin Mines ... 286

B.P. Exploration Co. ... 194
Ballay, Marcel, Death of ... 173
Bancroft Mines ... 6, 198
Barberton Chrysotile Asbestos ... 41
Base Minerals of Southern Rhodesia.—Review ... 349
Bateman Bay Mining Co. ... 99
Beaverlodge, Long-Hole Test Drilling at (Chambers) ... 268
Bechuanaland, Exploration in ... 323
Bedwell River Gold Mines ... 97
Bensusan, Arthur J., Death of ... 46
Bethlehem Copper Corporation ... 225
Bibiani (1927) ... 134
Billingham Mine To-day ... 332
Birkett Creek ... 354
Bisichi Tin Co. (Nigeria) ... 326
Blast Holes, Loading Nitrate into ... 220
Blasting.—Methods—Patent, 254; Nuclear, Future of ... 347
Block Caving in an Arizona Copper Mine (Hardwick)—Digest ... 310
Blomfield, A. L., Death of ... 46
Blyvooruitzicht Gold Mining ... 40, 169
Bosazza, V. L., on Gold and Uranium in the Witwatersrand Bankets ... 24

PAGE

Bowen Consolidated Collieries ... 30
Bowie, S. H. U., on Uranium and Thorium in the Commonwealth ... 258
Brakpan Mines ... 197, 325
Bralorne Mines ... 32, 162, 225
Bralone Pioneer Mines ... 225, 353
Brazil, Diamonds in (Mieritz)—Digest ... 121
Bremang Gold Dredging ... 135, 326
British Aluminium Co. ... 36
British Non-Ferrous Metals Research Association ... 324
British Overseas Mining Association ... 3
British South Africa Co. ... 72, 200, 263, 264, 326
British Tin Investment Corporation ... 7, 200
British Titan Products ... 70
Broken Hill Associated Smelters ... 101
Broken Hill Proprietary ... 135, 230
Broken Hill South ... 164, 357
Buccaneer Mines ... 97
Buffelsfontein Gold Mining ... 40, 262
Bulolo Gold Dredging ... 31, 71, 199, 327, 355
Bunker Hill Exploration Co. ... 226
Burma Corporation (1951) ... 7, 135
Burma Mines, Ltd. ... 135, 199

Camsell, Charles, Death of ... 45
Canada.—Aluminium in, 136; Diamond Abrasives in, 233; Geological Maps, 227, 287; Geophysical Surveys in, 72; Legislation Affecting Mining, 284; Mineral Map of, 66; Mining in, 182; Prospecting in, 161; Technical Progress at a Gold Mine—Digest ... 312
Canadian Aerial Exploration, Ltd. ... 162
Canadian Colliery Resources, Ltd. ... 286
Canadian Exploration, Ltd. ... 31, 162, 286
Canadian Mining (Convey)—Digest ... 182
Canadian Northwest Mines and Oils, Ltd. ... 163
Canadian Western Gypsum Corporation, Ltd. ... 162
Canex Aerial Exploration ... 31, 225
Cariboo Gold Quartz Mining Co. ... 32, 353
Carter, C. F.—Shunting in Tandem ... 151
Carter, S. R.—Ore Discoveries at Mount Isa—Digest ... 313
Cascade Lode Mines ... 225
Cassiar Asbestos Corporation ... 161
Caycuse Copper ... 286
Cellardor Mines ... 286
Cementation Co., Group Management Conference of the ... 348
Central Manitoba Mines ... 163
Central Norseman Gold Corporation ... 229
Central Provinces Manganese Ore Co. ... 327
Cerro de Mercado, Mexico (Albans) ... 334
Ceylon, Ilmenite in ... 103
Chambers, R. G.—Long-Hole Test Drilling at Beaverlodge ... 268
Channel Tunnel ... 194
Chibougamau Jaculet Mines ... 163
Chibuluma Mines ... 70
China, Asbestos in (Sun Yi-Ming)—Digest ... 122
Christiansen, C. R., and others—A Lead-Zinc Mill in Missouri—Digest ... 248
City Deep ... 232, 325
Clutha Developments ... 31
Coal Preparation, Second Symposium on—Review ... 224
Columbia Southern Chemicals ... 70
Colvilles, Ltd. ... 288
Commonwealth Aluminium Corporation ... 36, 100, 164
Compressed Air Systems (Walter) ... 83, 144
Concentrating Table, New Suspension for ... 44
Consolidated African Mines ... 170
Consolidated Diamond Development Co. ... 233
Consolidated Diamond Mines of South-West Africa ... 42, 363
Consolidated Mines Selection ... 133
Consolidated Mining and Smelting Co. of Canada ... 285, 352
Consolidated Woodgreen Mines ... 162
Consolidated Zinc Corporation ... 36, 70, 136, 229, 326
Converters, Refining in—Patent ... 126
Convey, John—Canadian Mining—Digest ... 182
Conveyor-Belt Widths, Choice of ... 30
Cook, Melvin A.—*The Science of High Explosives*—Review ... 158
Co-Partnership in Africa ... 194
Copper.—Early Days in Swansea, 347; Recovery ... 346
Copper Development Association ... 322

PAGE

Cordillera Mining Co. 36
Coronet Oil 31
Corrosion.—Exhibition, 130; Protection (Armstrong)—Digest 55
Cottle, V. M.—Diamond Drilling at a Tasmanian Lead-Zinc Mine—Digest 377
Cowichan Copper 32, 225, 286
Craigmont Mines 31
Crane, 20-Ton Mobile 296
Crown Mines 262
Crusher.—Double Slugger-Roll, 294; Gyratory 237

Daggafontein Mines 261
Davidson, C. F., on the Witwatersrand Mineralization, 92; on a New Russian Journal 349
Davis, S. G.—Tungsten Minerals in South China and Hong Kong—Digest 305
De Beers Consolidated Mines 6, 198, 233
Deep Gulch Mines 162
Delhi-Australian Petroleum 36, 199
Devlin, S. W.—Diamond Mining in South-West Africa—Digest 56
Diamond.—in Brazil (Mieritz)—Digest, 121; Investigation of a Transvaal Occurrence (Fourie)—Digest, 181; Mining in South-West Africa (Devlin)—Digest, 56; Siberian, 2; South African, 181, 233, 361; in South-West Africa 42, 56, 363
Dominican Republic, Bauxite from 71
Dominion Reefs (Klerksdorp) 293, 325
Doornfontein Gold Mining 40
Douglas, G. V., Death of 109
Drill Stem Adaptor Bit 43
Drilling.—Long-Hole Test, at Beaverlodge (Chambers), 268; Platform Elevator, 108, 211; Rig 171
Duff, P. McL. D., on "Geological Aspects of Mining" 281
Dunham, Prof. K. C., on Metal Mining Potentialities of the United Kingdom 322
Durban Roodepoort Deep 262
Dust Collector, New 107

East Champ d'Or Gold Mining 197, 293
East Daggafontein Mines 262
East Geduld Mines 262
East Rand Proprietary Mines 232, 262
Eastern Mining and Metals Co. 38, 232
Eastern Rand Extensions 263
Economics for the Mineral Engineer (Pryor)—Review 280
Eila Investments 163
Eldorado Mining and Refining 72, 287
Electrolytic Metal Corporation 262, 293
Electrolytic Zinc Co. of Australasia 36, 101, 230
Electroprecipitator—Patent 318
Emperor Gold Mines 100
Empire Development Co. 225
Engineering, Marine, Welding, and Nuclear Energy Exhibition 130, 253, 317
Engineering Log 27, 93, 159, 220, 282
Engineering Sciences Library, New York 350
Enterprise of New Guinea Gold and Petroleum 36
Ermelo Collieries 170
Esperanza Copper and Sulphur 7
Evan Jones Coal Co. 31
Ex-Lands Nigeria 326

Fabrique d'Emballages Métalliques 34
Falcon Mines 134
Fanti Consolidated 135
Far East in 1958, The 218
Feralloys, Ltd. 234
Filter.—Cake, Reducing Moisture in (Nasiatka and Palowitch)—Digest, 375; Petrol Engine Fuel 45
Fire-Damp Drainage 130
Fletcher Holdings 288
Flotation Plant Control—Patent 62
Fluid Bed Reactor (Smith and Stubbs)—Digest 374
Forster, J. A. B., and Cooper, R. J.—Oxygen in Zinc Concentrate Roasting—Digest 245
Fourie, G. P.—Investigation of a Transvaal Diamond Occurrence—Digest 181
Fracture in Rock Faces (Lutsch)—Digest 307
Freddies Consolidated Mines 198, 263
Free State Development and Investment 70
Free State Geduld Mines 5, 69, 104, 133
Free State Saaiplaas Gold Mining 104
French Mines, Ltd. 162
French Tekkah 71, 199
Frome Broken Hill 166, 199

Gallard, J. A. L., Death of 238
Geco Mines 99, 227, 287
Geduld Proprietary Mines 262
Geevor Tin Mines 264, 328
Geita Gold Mining 70
General Exploration Orange Free State 326
General Mining and Finance Corporation 262, 263, 328
Genrico Nickel Mines 163

PAGE

Geology, Apparatus for Use in—Patent 254
Geology of Uranium—Review 223
Germanium in Rectifier Construction 213
Ghana Aluminium Products, Ltd. 199
Ghana Main Reef 70, 134
Giant Mascot Mines 162
Gold.—Field Method for Approximate Estimation of, 23; Recovery of, from Solutions—Patent, 318; and Uranium in the Witwatersrand Bankets 24
Gold Fields Australian 71
Gold Mines of Australia 101
Gold Mines of Kalgoorlie (Aust.) 135
Gopeng Consolidated 71, 199
Government Gold Mining Areas 5, 197
Granby Consolidated 97, 226
Granby Mining Co. 226
Gravity Concentration.—Sluicing Action, 278; The Shaking Table 345
Great Boulder Mines 34, 100, 165
Great Western Consolidated 229
Greenland Ice Cap, Road through the 352
Grindrod, J.—Iron by Direct Reduction, 73; Ore Handling at a Virginian Fort 273
Grootvlei Proprietary 262
Guichon Mine 98
Gunnar Mines 287

Hafnium.—Properties and Uses of, 27; Separation of—Patent 126
Halkyn District United Mines 200
Hannan's Lode, Drilling on 327
Hardwick, W. R.—Block Caving in an Arizona Copper Mine—Digest 310
Harmony Gold Mining 105, 293
Hartebeestfontein Gold Mining 292
Hatton, A.—Airborne Radiometric Surveying 209
Haughton, S. H., on Witwatersrand Mineralization 349
Haulpai Enterprises Corporation 286
High Explosives, The Science of (Cook)—Review 158
Highland-Bell 354
Hill, L. C., Death of 366
Hill 50 Gold Mine 357
Hobson, G. V., Death of 238
Holden Mine, Washington, (McWilliams)—Digest 53
Hollis, G. C., Death of 366
Hongkong Tin 327
Howe Sound Co. 32, 98, 161
Hudson Bay Mining and Smelting 33, 99, 356
Humber Barrier Reef Oils 165
Hydroleg, The 107

India, Export Control in 232
Indian Aluminium Co. 135
Indian Steel and Wire Products Co. 263
Indonesia, Development in 360
Industrial Diamonds of S.A. (1945), Ltd. 42
Industrial Metals, Ltd. 288
Institutions of Mining Engineers 66
Institution of Mining and Metallurgy, 66, 259, 297; Presidential Address 323
International Atomic Energy Agency 2
International Minerals and Chemical Corporation 287
International Nickel Co. of Canada 4, 33, 99, 102, 227, 328, 356
International Tin Council 130, 231
Interstate Oil 199
Iron.—By Direct Reduction (Grindrod), 73; (Rogers)—Digest 308
Isaacson, E. de St. Q.—*Rock Pressure in Mines*—Review 93
Island Exploration Pty. 36

Jantar Nigeria 70
Japanese Federation of Economic Organizations 232
Jarman, H. G.—Anaconda's Berkeley Pit 275
Jaspilite Beneficiation (Salamy)—Digest 120
Johnston, D.—Mineral Resources of Newfoundland—Digest 378
Jos, Mining School in 82
Joy-Sullivan, Ltd. 364

Kaduna Prospectors 70
Kaduna Syndicate 70, 326
Kafue Flats: The Granary of the Federation (Rhodesian)—Review 194
Kamloops Copper Co. 353
Kempe's Engineers Year Book, 1959—Review .....
Kepong Mines, Ltd. 38
Killinghall Tin 327
Kinta Tin Mines 71, 199
Klerksdorp Area, Mining in the (Loxton)—Digest 373
Klerksdorp Consolidated Goldfields 133
Kononga Gold Mines 134
Kramat Tin Dredging 7

Lake Asbestos of Quebec.—33; Development at (Sinclair) .. 79
Lake Shore Mines 287
Lake View Consols Jubilee 131

PAGE

Lake View and Star 7, 165
Lampa Mining 7, 199
Larke, *Sir* William, Death of 297
Lead.—and Zinc Industry, United Nations Conference on the, 258; -Zinc Mill in Missouri, A (Christiansen, Calhoun, and Brown)—Digest 248
Levels, New Self-Aligning 105
Loading Maching—Patent 318
Lorain, S. H., and others.—Lode Tin in Alaska—Digest 117
Loraine Gold Mines 41, 198, 234, 293
Loxton, S. D.—Mining in the Klerksdorp Area—Digest 373
Lundberg Exploration 72
Lutsch, A.—Fracture in Rock Faces—Digest 307
Lydenburg Platinum 263

M.T.D. (Mangula), Ltd. 6, 41, 133, 134
McIntyre Porcupine Mines 31, 287
Mackilligin, H. R., Death of 109
McVicar Mining Co. 225
McWilliams, J. R.—The Holden Mine, Washington—Digest 53
Madsen Red Lake, Progress at—Digest 312
Magnetic Separator, Unit 172
Malaya.—Airborne Survey in, 196; Bauxite in, 167, 290; Cement in, 103, 167; Federation Annual Report for 1957, 166; Iron and Steel in, 37, 103, 232, 290, 360; Metals Produced in, 167; Oil in, 38, 231, 291; Prospecting in, 102, 232; Revocation of Mining Rights, 232; Tin Industry, 103, 231, 359; Uranium in 167
Malayan Mining Co. 38
Manganese Deposits on the Ocean Bed 351
Mapanzui Chrome Mines 41
Mary Kathleen Uranium 199, 230, 358
Mattagami Syndicate 31
Messina Rhodesia Smelting and Refining 133
Messina (Transvaal) Development Co. 133, 198
Metal Corporation of India 263
Methane from Coal, Fields Drainage and Use of—Review 130
Mexico: Carro de Mercado (Albans) 334
Middlevlei Estate and Gold 197
Mieritz, R. E.—Diamonds in Brazil—Digest 121
Mine Cars, All-Welded 24
Mineral Industry, Statistical Summary of the—Review 194
Minerals Separation, Ltd. 323, 328
Mining Machinery Exhibition 66, 194, 324, 336
Molybdenum, Versatile (Schofield) 11
Monazite and Mineral Ventures Co. 170
Mond Nickel Co., Ltd. 272, 322
Mond Nickel Exploration 323
Mond Nickel Fellowships 78
Moneta Porcupine Mines 32
Mount Isa Mines.—6, 35, 101, 163, 228, 357; Ore Discoveries at (Carter).—Digest 313
Mount Lyell 37, 71
Mount Morgan 228
Mountain Copper Co. 136
Mufulira Copper Mines 70, 263
Musketeer Mines 97

Nadira Mines 286
Nairne Pyrites 290
Nakina Iron 356
Nasiatka, T. M., and Palowitch, E. R.—Reducing Moisture in Filter Cake—Digest 375
Nchanga Consolidated 6, 198
New Broken Hill 327
New Chamberlain Petroleums 226
New Consolidated Gold Fields 197
New Jersey Turnpike 351
New Kleinfontein 197
New Klerksdorp Gold Estates 373
New Privateer Mine 32, 98
New State Areas 197
New Witwatersrand Gold Exploration 197
New Zealand.—Aluminium in, 289; Iron Sand in, 37; Iron and Steel in, 288; Oil in, 37, 135; Titanium in 359
Newfoundland, Mineral Resources of (Johnston)—Digest 378
Newmont Mining Corporation of Canada 32
Nickel.—Outlook, 259; Review of, 4; Separation from Cobalt—Patent 190
Nigerian Aluminium Products, Ltd. 199
Nighthawk Gold Mines 162
Nilsson, O. W.—Rising Using a Platform Elevator 211
Nimpkish Iron Mines 286
Nolartic Mines 99
Noranda Mines 31, 99, 226
Normetal Mining Corporation 287
Norseman Gold Mines 290
Northern Aluminium Co. 7, 289
Northern Canada Mines 226
Northern Gem Mining 162
Northspan Uranium Mines 71
Nuclear Blasting 347

Oil Drilling and Exploration Co. 288
Oil in Great Britain 194

PAGE

Oil Search, Ltd. 36, 288
Ore.—Deposits, Bibliographies on, 29; A New Journal on, 349; Handling at a Virginian Port (Grindrod) 273
Ores, Treatment of—Patent 318
Ores of the Witwatersrand in South Africa and their Genetic Significance, New Observations on the (Ramdohr)—Review 157
Organization for European Economic Co-operation 190, 132
Orient Manganese 170

Pacific Nickel Mines 98, 353
Pacific Quarries, Ltd. 225
Pacific Steel, Ltd. 288
Pakistan.—Coal in, 194; Iron in, 38; Mineral Exploration in, 21; Oil in 38, 290
Pakistan Industrial Development Corporation 38
Panther International Mining 163
Papuan Apinaipi Petroleum 36
Paringa Mining and Exploration 70
Patino of Canada, Ltd. 225
Pato Consolidated 31, 199, 327
Peerless Oil and Gas Co. 31
Pegmatite Minerals, Economic Problems and (Sinclair) 14
Peko Mines 101, 164
Pellets, Hard, Sintering Process for—Patent 190
Petaling Tin 135, 231
Phoenix Copper 226
Phosphate Rock, Mechanical Mining of (Service and Howard)—Digest 184
Pine Point Mines 285
Pioneer Gold Mines of B.C. 32, 162, 225
Placer Development, Ltd. 30, 102, 224
Pneumoconiosis Fund in South Africa 360
Potash Ores, Concentration of—Patent 126
Powdered Materials.—Measurement of Flow Rate of—Patent, 62; Sintering of—Patent 62
Prain, R. P. F., Death of 366
President Brand 5, 70, 105, 232, 294, 361
President Steyn 6, 105, 232
Privateer Mine 32, 98
Pryor, E. J.—*Economics for the Mineral Engineer*—Review 280
Pumps.—Axial Flow, 237; High-Pressure Water, 235; Laboratory, 44; Mine 365
Pyrite, Treatment of Japanese 156

Quebec Ascot Copper Corporation 34, 287
Quemont Mining Corporation 227
Quin's Metal Handbook, 1958—Review 224

R.M. Nickel Mines 34, 287
Rambutan 71
Ramdohr, Paul.—*New Observations on the Ores of the Witwatersrand in South Africa and their Genetic Significance*—Review 157
Ramunia Bauxite 167, 168
Rand Collieries and Fuel, Ltd. 363
Rand Leases (Vogelstruisfontein) 69
Rand Mines 70, 294, 325
Rand Selection Corporation 133
Randfontein Estates Gold Mining 197, 362
Raub Australian Gold Mining 289
Reeves MacDonald Mines 286, 354
Research, Scientific and Industrial 66, 260
Rhoda Iron Mines 286
Rhodesia, Base Minerals of Southern—Review 349
Rhodesia Broken Hill 263
Rhodesia–Katanga Co. 263
Rhodesian Anglo American 198
Rhodesian Asbestos, Ltd. 6
Rhodesian Corporation 198
Rhodesian and General Asbestos Corporation 6
Rhodesian Selection Trust 70, 194, 323
Rhokana Corporation 6, 42, 198
Ribon Valley 326
Riebeeck Gold Mining 198
Rio Tinto Co. 37, 263, 264, 331
Rio Tinto Mining Co. of Canada 355
Rising Using a Platform Elevator (Nilsson) 211
Rix-Athabasca Uranium Mines 99, 356
Roan Antelope Copper Mines 70, 263
Roasting Sulphide Materials—Patent 318
Robinson Deep 325
Rock Pressure in Mines (Isaacson)—Review 93
Rogers, R. R.—Iron by Direct Reduction—Digest 308
Rompin Mining Co. 360
Roof-Bolt Failures and Their Prevention (Sen) 265
Rooiberg Minerals Development 133
Rose Deep 325
Rosebery Lead-Zinc Mine, Diamond Drilling at (Cottle)—Digest 377
Rustenberg Platinium Mines 69

Safety in Mines Research Establishment 67
St. Helena Gold Mines 104, 262, 363
Salamy, S. G.—Jaspilite Beneficiation—Digest 120
San Francisco Mines of Mexico 71

PAGE

Santiago Petroleum Corporation 102
Santos-Delhi Australian Co. 165, 199
Schofield, M.—A Note on Selenium, 141; Vanadium in Industry, 329; Versatile Molybdenum 11
Scientific and Industrial Research, Department of 66, 260
Scraper Haulage 43
Screening.—Use of Electric Heat, 279; Wet—Patent 318
Selenium.—A Note on (Schofield), 141; Recovery of—Patent 190
Sematan Bauxite 200
Separation.—Densimetric—Patent, 190; of Minerals—Patent, 254; Wet—Patent 190
Sen, G. C.—Historical Development of Strata Bolting, 9; Roof-Bolt Failures and Their Prevention 265
Service, A. L., and Howard, T. E.—Mechanical Mining of Phosphate Rock—Digest 184
Shaft Sinking.—and Tunnelling, Symposium on, 66, 194, 324; in South Africa 360
Sheep Creek Mines 225
Sheffield Exhibition 272
Sherritt Gordon Mines 99
Shovel, Front End 294
Shunting in Tandem (Carter) 151
Siberian Diamonds 2
Silbak Premier Mines 353
Silver Standard Mines 163
Sinclair, W. E.—An Asbestos Mining Achievement, 79; Economic Problems and Pegmatite Minerals 14
Singapore Steel and Iron Mills, Ltd. 38
Sintering—Patents 62, 190, 318
Skeena Silver Mines 353
Skinner's Mining Year Book 258
Skip Winder at Rufford Colliery 95
Smith, S. L., and Stubbs, F. L.—Fluid Bed Reactor—Digest 374
Soc. Francaise Des Mines D'Etain De Tekkah— 71, 199
Solids, Separation of—Patents 126
South Africa.—Basutoland, New Constitution for, 42; Chromite in, 41; Development of the Eastern Rand, 39; Mining in 1958 (Waspe), 201; Oil in, 234; Prospecting in the Transvaal, 169; Railways in, 232; Recruits for the Mines, 168; Rod Mills in, 42; Soda Ash in, 234; Union Affairs, 39, 168, 291; Union Budget, 232; Uranium in .. 291, 361
South African Iron and Steel Industrial Corporation 134
South African Land and Exploration 262
South African Mining in 1958 (Waspe) 201
South African Townships, Mining, and Finance Corporation 133
South Crofty 20, 264
South-West Africa, Diamond Mining in (Devlin)—Digest ... 56
South West Africa Co. 263
South Western Mining, Ltd. 102
Spaarwater Gold Mining 69, 197
Spearman, *Sir* Alexander, Death of 173
Springbok Colliery 170
Springs Mines 197, 325
Stadacona Mines 227
Standard Iron Mines 286
Standard Vacuum Oil 231
Standardization in Mining 322
Stanleigh Uranium Mining Corporation 33
Steels, Re-Tipping by Salt-Bath Brazing—Digest 247
Stewarts and Lloyds, Ltd. 288
Stilfontein Gold Mining 325
Stope Filling 155
Storey's Creek Co. 166
Strainer, Floating Suction 170
Strata Bolting, Historical Development of (Sen) 9
Sulphur Institute, International 331
Sungei Besi Mines 327
Sunro Mines 285
Sunshine Lardeau Mines 226, 287
Surf Inlet Consolidated Mines 225
Surveying, Airborne Radiometric (Hatton) 209
Swaziland Iron Ore Development 326

Taiga Mines 353
Tanganyika Concessions 8
Tanganyika Diamond and Gold Development 6
Tanganyika Mining Industry, 1958 148
Tasmania, Iron Ore in 35
Tennant Creek, Report on 66, 101, 164
Tharsis Sulphur and Copper Co. 263
Thomas, D. W., Death of 109
Thorium, Uranium and, in the Commonwealth (Bowie on) 258

PAGE

Tidewater Oil 38
Timor Oil 288
Tin.—Lode, in Alaska (Lorain and others)—Digest, 117; Report of International Tin Council, 130; Research 133
Tin Fields of Nigeria 135
Titanium.—Production of—Patents, 62, 318; Reduction of Oxides—Patent, 126; Sponge, Bulk Handling (Williams) 137
Todd Oil Services 135
Tofino Mines 32
Torbrit Silver Mines 285
Torwest Resources 32, 98, 163, 354
Trans-Canada Pipe Lines, Ltd. 226
Transcontinental Resources 226, 287
Transvaal Gold Mining Estates 69
Tungsten Minerals in South China and Hong Kong (Davis)—Digest 305
Turbine Blades, Testing of, with Ice Pellets 352
Turner and Newall 6

Unified Gold and Exploration Co. 169, 234
Union Corporation 200, 261, 264
Union Minière du Haut Katanga 135, 326
United Keno Hill Mines 163
United Kingdom Metal Mining Association 322
United States Mineral Output 68
United Tin Areas of Nigeria 326
Uranium.—Cationic Process for, 91; Geology of—Review, 223; and Gold in the Witwatersrand Bankets, 24; in India, 290; in the Transvaal, 40, 232, 291; Low-Grade Oxidized (Aitkenhead and Jaekel)—Digest, 183; Ore Sampling, 90; Production of—Patents, 62, 126, 254; Recovery of—Patents, 62, 254, 318; Tenders Invited for, 2; and Thorium in the Commonwealth (Bowie) 258
Uruwira Minerals 70

Vaal Reefs 261, 292
Vanadium in Industry (Schofield) 329
Vananda Mines (1948) 225
Verolite Asbestos 170
Verolite Mining 170
Victorian Electricity Commission 231
Virginia Orange Free State 262
Vlakfontein Gold Mining 325
Vogelstruisbult 325

Walter, Leo.—Compressed Air Systems 83, 144
Warren Spring Laboratory 140, 260
Waspe, L. A.—South African Mining in 1958 201
Welkom Gold Mining 6, 105, 170, 294, 362
Wenner-Gren British Columbia Development Co. 72
West Australian Petroleum Pty. 102, 288
West Driefontein 40, 291, 292
West Rand Consolidated 262, 293
West Witwatersrand Areas 5
Western Australian Jubilee 131
Western Copperada Mining Corporation 99
Western Deep Levels 232, 261, 291, 362
Western Exploration Co. 226
Western Holdings 6, 70, 105, 170, 362
Western Nickel 98
Western Reefs Exploration 261, 362
Western Selection and Development 263
Williams, A. E.—Bulk Handling Titanium Sponge 137
Wiltsey-Coghlan Mines 99
Winder, Four-Rope Friction 284
Winkelhaak Mines 5, 104, 262, 292
Witbank Colliery 325
Witwatersrand Mineralization, Davidson on, 92, 325; Haughton on 349
Woodgreen Copper Mines 162

Yi-Ming, Sun.—Asbestos in China—Digest 122
Yukon Consolidated Gold Corporation 199

Zaaiplaats Tin Mining 40
Zandpan Gold Mining 261, 292
Zinc.—Concentrate Roasting, Oxygen in (Forster and Cooper)—Digest, 245; Condensation of—Patent, 254; and Lead Industry, United Nations Conference on the, 258; Roasting Sulphide Ores—Patent 254
Zinc Corporation 327
Zirconium, Separation of—Patent 126

PAGE
..... 38
..... 288
, 117;
h..... 133
..... 135
tion of
lliams) 137
..... 135
..... 32
..... 285
2, 98, 163, 354
..... 226
.... 226, 287
..... 69
Davis)
..... 305
..... 352
..... 6

... 160, 234
200, 261, 264
... 135, 326
..... 163
..... 322
..... 68
..... 326
eview,
4; in
Grade
Ore
254;
d for,
..... 258
..... 70

... 261, 292
..... 329
..... 225
..... 170
..... 170
..... 231
..... 202
..... 325
..... 325

.... 83, 144
... 140, 260
..... 201
170, 294, 362
..... 72
... 102, 288
40, 291, 292
... 262, 293
..... 5
..... 131
..... 99
261, 291, 362
..... 226
05, 170, 362
..... 98
... 261, 362
..... 263
..... 137
..... 99
..... 284
04, 202, 292
..... 325
325;
..... 349
..... 162

..... 122
..... 199

..... 40
.. 261, 292
oper)
and
258;
..... 254
..... 327
..... 126